Natural Gas Star Program

2010 Annual Report Calculations

Project:	Year Completed	Methane Reduction Calculation:
Cherry Creek A/F Ratio & Cat Conv. Install #1	2001	758 MCF/Compressor/Year 1 Compressor = 758 MCF
Antelope Station #1 Engine Shutdowns	2002	2.11 MCF/Horsepower/Year 990 Horsepower = 2,089 MCF
Antelope Station #2 Engine Shutdowns	2003	2.11 MCF/Horsepower/Year 1980 Horsepower = 4,178 MCF
Tioga Plant Engine P36A Electric Drive Install	2004	2.11 MCF/Horsepower/Year 64 Horsepower = 135 MCF
Seminole H2O Pumps Electric Drive Installs (7)	2004	2.11 MCF/Horsepower/Year 7280 Horsepower = 15,361 MCF
Tioga Plant Supr. Engine Electric Drive Install	2005	2.11 MCF/Horsepower/Year 2650 Horsepower = 5,592 MCF
Tioga Plant Engine P36B Electric Drive Install	2005	2.11 MCF/Horsepower/Year 64 Horsepower = 135 MCF
Tioga Plant Engine P47 Electric Drive Install	2005	2.11 MCF/Horsepower/Year 82 Horsepower = 173 MCF
BLDU H2O Pumps Electric Drive Installs (3)	2005	2.11 MCF/Horsepower/Year 675 Horsepower = 1,424 MCF
Seminole H2O Pumps Electric Drive Installs (3)	2005	2.11 MCF/Horsepower/Year 3120 Horsepower = 6,583 MCF
Cherry Creek A/F Ratio & Cat Conv. Install #2	2006	758 MCF/Compressor/Year 1 Compressor = 758 MCF
Blue Buttes A/F Ratio & Cat Conv. Install	2007	758 MCF/Compressor/Year 1 Compressor = 758 MCF
Tioga Plant Catp. Engine Electric Drive Install	2007	2.11 MCF/Horsepower/Year 3550 Horsepower = 7,491 MCF
BLDU H2O Pumps Electric Drive Installs (4)	2007	2.11 MCF/Horsepower/Year 900 Horsepower = 1,899 MCF
Cherry Creek Wauk. Engine Electric Drive Install	2008	2.11 MCF/Horsepower/Year 328 Horsepower = 692 MCF
VRU Installations On Tioga Bakken Oil Tanks	2010	Calculations Attached 18,400 MCF
		TOTAL - 66 425 MCE

I hereby certify the accuracy of the data contained in this report:

Methane reduction calculations based on Natural Gas Star factors.

Only projects less than 10 years old considered due to "sunset" restrictions.

Total value of gas saved at \$7/MCF (default value) = \$430,535.

TOTAL = 66,425 MCF

Data

Bakken Methane Reduction Calculation

2010 VRU Installation

2010 Natural Gas Star Reporting Program

Calculation Factors:

2009 Tioga Bakken VOC Emissions From Flash Gas = 10,154 Tons

2010 Tioga Bakken VOC Emissions From Flash Gas = 5,075 Tons

VOC Weight % In Bakken Flash Gas = 73.39 (Based On Gas Sampling)

Methane Weight % In Bakken Flash Gas = 5.62 (Based On Gas Sampling)

23.65 SCF Of Methane = 1 Pound Of Methane

Methane Reduction Calculations:

10,154 - 5,075 = 5,079 tons of VOC reduced

X = 389 tons of methane reduced

(389 tons) (2000 pounds/1 ton) = 778,000 pounds of methane

(778,000 pounds) (23.65 SCF/1 pound) = 18,399,700 SCF of methane, or 18,399.7 MCF